

Amylin, amide, rat acetate(124447-81-0,free base)

Chemical Properties

CAS No. :

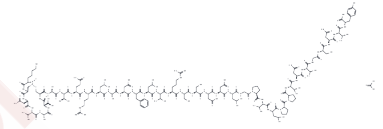
Formula: C169H276N52O55S2

Molecular Weight: 3980.45

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Amylin, amide, rat acetate is a potent and high affinity ligand of AMY1 and AMY3 receptors and variably of AMY2 receptors.
Targets(IC50)	Amylin Receptor
In vivo	Amylin is an important 37 amino acid glucoregulatory hormone with great potential to target metabolic diseases. Amylin is a member of the calcitonin (CT) family of peptides, which includes CT itself, the CGRPs comprising two variants (α CGRP and β CGRP), adrenomedullin (AM) and AM2 (intermedin). Amylin is a centrally acting, neuroendocrine hormone synthesized with insulin in the beta cells of pancreatic islets. Amylin regulates glucose homeostasis by inhibiting gastric emptying, inhibiting the release of the counter-regulatory hormone glucagon and inducing meal-ending satiety. Amylin functions as a glucoregulatory and satiety-inducing hormone, which is protective against postprandial spikes in blood glucose and overeating.[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2512 mL	1.2561 mL	2.5123 mL
5 mM	0.0502 mL	0.2512 mL	0.5025 mL
10 mM	0.0251 mL	0.1256 mL	0.2512 mL
50 mM	0.005 mL	0.0251 mL	0.0502 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Bower, Rebekah L , Debbie L . Amylin structure-function relationships and receptor pharmacology: implications for amylin mimetic drug development.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481